

String theory

Part 1 (Massai, 12h) - Introduction to perturbative string theory:

- 1) classical actions for the bosonic string;
- 2) quantisation of the bosonic string and derivation of the spectrum;
- 3) extension to the superstring.

Part 2 (Martucci, 12h) - Superstring effective actions and dualities:

- 1) string theory effective actions;
- 2) D-branes and other extended objects;
- 3) dualities.